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 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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 DATE: FEB 6 1974

SUBJECT: NPDES Permit No. NJ0002429
 National Gypsum Co.
 Gold Bond Building Products Division
 FROM: James Rooney, Acting Chief *J Rooney*
 Technical Evaluation Section
 TO: Ernest A. Regna, Acting Chief
 Industrial Water Facilities Branch
 THRU: Charles N. Durfor, Chief *CD*
 Water Branch

In accordance with the provisions of the Federal Water Pollution Control Act of 1972, the National Gypsum Company has submitted the aforementioned permit application for authority to discharge pollutants into a navigable waterway. The major products manufactured by this Company are asbestos cement and shingles.

The National Gypsum facility is located on the Passaic River in Millington New Jersey. The existing wastewater discharge consists of 0.07 mgd process water having a total organic (BOD₅) load of 0.0 #/day. Other specific parameter of interest are the effluent loading due to pH and phenols. The effluent is discharged into the Passaic River through 1 outfall pipe located adjacent to the plant site.

The receiving stream is a non-tidal waterway which has been designated as a water quality limiting section by the New Jersey Department of Environmental Protection. The existing water quality classification is Class FW-2. The ambient drought flow (MA7CD/10YR) in this watercourse at the point of discharge is 1.4 cfs.

Review of the National Gypsum Company discharge and the hydrodynamic and physical properties of the receiving waterway indicates that the application of BPCTCA for this discharge will be sufficient to allow compliance with the applicable water quality standards for the Passaic River. Furthermore, it is estimated that the proposed BPCTCA discharge from this facility will exert a relatively insignificant impact on the water in this basin.

It is therefore recommended that this permit be issued under the effluent limitations as defined by BPCTCA for this industry and as noted on the attached Permit Summary Table.